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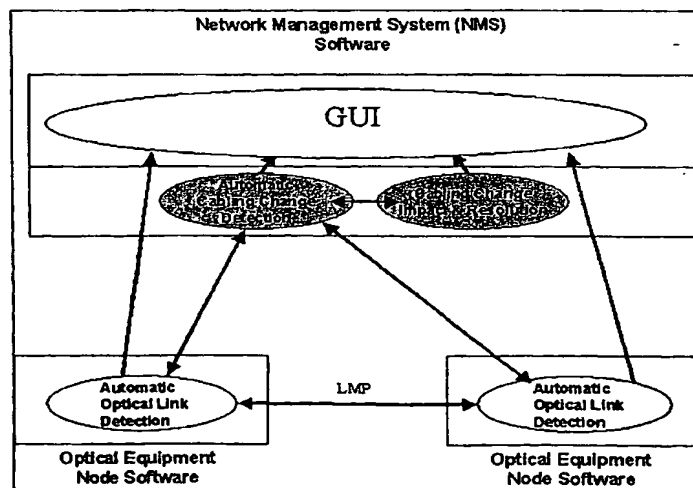
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(54) Title: AUTOMATIC DETECTION AND RESOLUTION OF FIBER CABLING ERRORS IN OPTICAL NETWORKS



Example Implementation of Software Components

(57) Abstract: A method of automatically detecting fiber cabling errors in an optical network is described. Fiber connectivity between optical nodes in the network, including initial cabling and any subsequent cabling changes or cabling errors, is detected. The connectivity information including initial link connectivity and changes relating to new fiber connectivity is stored. The invention automatically determines cross-connect and lightpath impact of a cabling change, detects if light paths have been automatically rerouted off affected optical links, and supports operator resolution of cabling problems.